

CONCLUSION

**of the official opponent
for the dissertation work of a graduate student Zhang Fenghe on the topic
“Mechanisms of regulation of world agricultural markets in the context of
globalization”, which is presented for obtaining the degree of Doctor of
Philosophy in specialty 073 “Management”**

Relevance of the dissertation topic

Agricultural trade is an important component of world commodity trade, and the total export trade is used to represent the scale of agricultural trade. However, it is influenced by both the economic policies of various countries and global macroeconomic trends, as well as the characteristics of agricultural products themselves. The elasticity of demand for agricultural products is small, and changes in climate and years often lead to significant changes in the supply of agricultural products. These characteristics have caused long-term instability in global agricultural production and prices. However, since the 1980s, the commodity structure of international trade in goods has undergone significant changes. The development speed of world agricultural trade is constantly declining. This trend is in line with the requirements of the current global economic development pattern, as with the continuous development of economies in various countries, both developed and developing countries have experienced or are undergoing changes in their domestic industrial structures. The proportion of the tertiary industry (service industry) has increased, while the proportion of the primary industry (agriculture) continues to decline.

The regional structure of agricultural trade is mainly dominated by Europe, Asia, the Americas, and developed countries. The distribution of the world agricultural trade pattern is uneven. Both exports and imports are dominated by developed countries. The main import and export regions are Europe, followed by Asia and the Americas. The competition in agricultural trade is incomplete. A few agricultural exporting countries monopolize their advantageous agricultural trade. Especially developed countries often

have clear competitive advantages in agricultural product trade. The reason is that developed countries maintain extensive agricultural protection policies and means.

This study combines the characteristics and current situation of agricultural product trade, analyzes the international trade import and export volume of various agricultural products, as well as the agricultural product trade situation of major continents and major agricultural product trading countries around the world. It explores the factors that affect the development of agricultural product trade, such as natural resource endowment and industrial structure composition. Has important theoretical and practical significance; In addition, the formulation of international trade policies for agricultural products must be based on a foundation that is conducive to the comprehensive and balanced development of the agricultural industry and the national economy. The healthy development of international trade in agricultural products has important practical significance.

Connection of work with scientific programs, plans, themes

The research paper was conducted within the framework of the China Social Science Foundation project 19BJY44; Henan Provincial Science and Technology Research Program Project Number: HNKJ-2024-00410185.

Validity and novelty of research results

The scientific novelty of research is inherent in various parts of a paper. The scientific novelty obtained is that from the perspective of globalization, the trade scale, structure, competitiveness, and complementarity of the global agricultural market were studied and analyzed through statistical calculations of agricultural trade data from major continents and agricultural countries around the world. And systematically constructed a research framework on the impact of global agricultural trade on agricultural development and economic growth.

For the first time the author:

1. Based on the perspective of globalization, the research perspective is relatively broad. Selecting agricultural product trade data from 2011 to 2020, the trade scale and

development of the global agricultural product market are dynamically displayed through charts. This is different from previous studies that only studied agricultural product trade from one or more markets, one or more types of agricultural products;

2. Using system analysis and empirical testing, apply two research paths: from the agricultural product market to the research path of agricultural products. What agricultural products are produced and what kind of agricultural product industry structure has been established. The research path from specific agricultural products to agricultural product markets analyzes the main import and export trade markets, trade scale, and trade flow of one or more types of agricultural products. A comprehensive analysis of agricultural product trade has been conducted, which makes up for the limitations of studying agricultural products only from the agricultural product market or a certain category of agricultural products in the past;

3. Through research and analysis of the global agricultural market and key agricultural product production, the author believes that promoting agricultural technological progress, optimizing agricultural industrial structure, and adopting active and effective government policies are all effective measures to expand agricultural trade.

Practical significance of the obtained results

This study combines the characteristics and current situation of agricultural product trade, analyzes the international trade import and export volume of various agricultural products, as well as the agricultural product trade situation of major continents and major agricultural product trading countries around the world. It explores the factors that affect the development of agricultural product trade, such as natural resource endowment and industrial structure composition. The formulation of international trade policies for agricultural products must be based on a foundation that is conducive to the comprehensive and balanced development of the agricultural industry and the national economy. This has important practical significance for the healthy development of international trade in agricultural products.

Complete presentation of the main results of the dissertation

The main results of the paper have been published in 7 professional scientific publications in Ukraine, of which 4 have been published in the Web of Science Core Collection and/or Scopus database. Two articles published in international scientific journals and five scientific conference reports.

Articles in scientific publications included in the list of specialized scientific journals Ukrainian and other national publications

1. Zhang Fenghe, Medvid V.(2019).An analysis of the impact of China's regional agricultural export trade on economic growth, Економіка та управління АПК.но.2, pp.23-32. <http://doi.org/10.33245/2310-9262-2019-151-2-23-32> (Ukrainian Journal)

2. Zhang Fenghe, Medvid V, Lu Xu, Zhao Haipeng, Wu Lingling, Zhang Lei.(2020). Analysis of the Characteristics and Competitiveness and Complementarity of Agricultural Trade between China and Ukraine, TEST Engineering & Management magazine. Vol.83, pp.17161-17175.

<https://testmagzine.biz/index.php/testmagzine/article/view/10132> (USA Journal)

3. Zhang Fenghe, Medvid Viktoriia, Zhang Lei, Lu Xu.(2020). Competitiveness and Complementarity of Agricultural Trade between China and Belarus, International Journal of Innovation, Creativity and Change. vol.14, no.10, pp.131-149.

https://www.ijicc.net/images/Vol_14/Iss_10/141008_Fenghe_2020_E_R.pdf(British Journal)

4. Zhang Fenghe(2021).Measurement and Analysis of Agricultural Products Trade Level between China and Ukraine, Economics & Management. no.4, pp.137-146. [http://doi.org/10.33146/2307-9878-2021-4\(94\)-137-146](http://doi.org/10.33146/2307-9878-2021-4(94)-137-146) (Ukrainian Journal)

5. Wu Lingling, Chen Fuli, Zhang Fenghe.(2021). The dual margin of Chinese agricultural products export to Japan, Management and entrepreneurship: trends of development. vol.2, no.16, pp.42-53. <http://doi.org/10.26661/2522-1566/2021-1/16-04> (Ukrainian Journal)

Articles in periodical scientific publications indexed in the Web of Science and Scopus databases

1. Zhang Fenghe (2020). Analysis of the current situation of agricultural trade development between China and Ukraine, *Agricultural and Resource Economics: International Scientific E-Journal*.vol.6, no.1, pp.23-36.

<http://doi.org/10.51599/are.2020.06.01.02> (web of science, Ukrainian Journal)

2. Zhang Fenghe, Viktoriia Medvid, Lu Xu.(2021). Marketing potential of the Sino-Russian bilateral agricultural export market, *Innovative Marketing*. vol.17, no.2, pp.163-176. [http://doi.org/10.21511/im.17\(2\).2021.15](http://doi.org/10.21511/im.17(2).2021.15) (Scopus, Ukrainian Journal)

3. Fenghe Zhang.(2021). Competitiveness or Complementarity: Analysis of agricultural trade between China and Brazil, *Problems and Perspectives in Management*. vol.19, no.4, pp.257-269. [http://doi.org/10.21511/ppm.19\(4\).2021.21](http://doi.org/10.21511/ppm.19(4).2021.21) (Scopus, Ukrainian Journal)

4. Wu Lingling, Yuriy Danko, Fuli Chen, Xuefeng Yao and Fenghe Zhang(2022). Mapping the literature of integrated marketing communications: Ascientometric analysis using CiteSpace. *Innovative Marketing*, 18(1), 152-167. [https://doi.org/10.21511/im.18\(1\).2022.13](https://doi.org/10.21511/im.18(1).2022.13) (Scopus, Ukrainian Journal)

Articles published at international academic exchange conferences

1. Zhang Fenghe, Wu Lingling, Zhang Lei.(2020). Complementarity analysis of agricultural trade between china and Ukraine, *International scientific conference economy and human-centrism: the modern foundation for human development*, April 24th, 2020 Proceedings of the Conference. Leipzig, Germany. pp.9-13.

2. Zhang Fenghe, Wu Lingling, Zhang Lei.(2021). The impact of green trade barriers on China's agricultural products export and countermeasures, *International scientific-Practical conference: Actual problems of economics, finance, accounting and law in UKraine and the world*, March 17, 2021. Poltava, Ukraine, pp.68-70.

3. Zhang Fenghe, Wu Lingling, Zhang Lei, Viktoriia Medvid.(2021). Research on agricultural products circulation system between china and countries along "one belt and one road" ,*The First International Scientific and Practical Internet Conference Proceedings* : "modern tendencies of students' foreign language training in the multicultural academic environment". April 17, 2021, Sumy National Agrarian University, pp.20-25.

4. Viktoriia Medvid, Zhang Fenghe, Wu Lingling, Niu Lichen.(2021).The current state of U.S Agricultural trade, III Международная научно-практическая конференция: «modern science: innovations and prospects». 5-7 декабря 2021 года. Стокгольм, Швеция.

5. Zhang Fenghe, Medvid V, Lu Xu.(2022). Category analysis of import and export trade of Ukrainian agricultural products from 2011 to 2020, Proceedings of the International Scientific and Practical conference «Honcharivski Chytannya» dedicated to the 93 th anniversary of Doctor of Agricultural Sciences professor Mykolay Dem'yanovych Honcharov, 25 May 2022.Sumy, pp.228-231

Unity of the content of the work, evaluation of the language and style of the dissertation

The text of the dissertation is written in competent technical English in a logical and consistent manner. Dissertation structure, language and presentation style meet the requirements for PhD dissertations. The scientific terminology used in the work is generally recognized. The style of presenting the results of theoretical and practical research, new scientific provisions, conclusions and recommendations ensures the accessibility of their perception and use. The dissertation is a completed scientific work corresponding to specialty 073 “Management”.

Characteristics of the academic integrity of the acquirer

Zhang Fenghe dissertation was checked for academic plagiarism using a licensing program. The analysis of the results of checking Zhang Fenghe dissertation for academic plagiarism, taking into account the explanations provided regarding the coincidence of some part of the dissertation with Zhang Fenghe articles, shows the absence of academic plagiarism, self-plagiarism, fabrication, falsification, etc.

Recommendations and comments on the dissertation work

Noting positively the level of scientific and practical value of the dissertation, it is necessary to note a number of remarks:

1. The world agricultural trade market has a wide range and a long existence. The research paper only selected the agricultural trade status of some major countries (regions) in the world from 2011 to 2020, which is one-sided; If conditions permit, it is best to expand the time interval of the research subjects.

2. There are many factors that affect global agricultural trade, such as tariff barriers, technological barriers, government policies, etc. If the author can take these factors into account in the research, then this scientific work will have greater practical significance. In addition, this paper mainly studies the import and export trade volume of different agricultural product trade markets around the world, as well as the competitive and complementary characteristics between trade markets.

3. The third part of the paper does not explain the phased characteristics of Ukraine and China's agricultural trade development from the perspective of geoeconomics.

The opinions and suggestions expressed are not fundamentally meaningful, some are controversial, do not affect the value of the paper, and do not reduce the overall positive evaluation of the content of the paper. This is an important scientific and practical issue that will contribute to the development of world agricultural trade.

Conclusion

Dissertation work graduate students Zhang Fenghe submitted for obtaining the degree of Doctor of Philosophy in the specialty 073 "Management" according to the signs scientific novelty, theoretical and practical significance of the obtained results in full meets the requirements of the "Procedure for awarding the degree of Doctor of Philosophy and annulment of the decision of the one-time specialized academic council of the institution of higher education, scientific institution on awarding the degree of

Doctor of Philosophy”, approved by Resolution No. 44 of the Cabinet of Ministers of Ukraine dated January 12, 2022 and the direction of scientific research of the educational and scientific training program Doctor of Philosophy of the Sumy National Agrarian University. The author of the work Zhang Fenghe deserves to be awarded the scientific degree of Doctor of Philosophy in the specialty 073 Management.

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